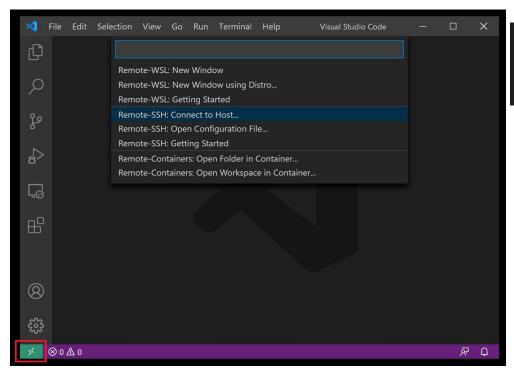
Linux and Flex Tutorial 2

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Visual Studio Code - Remote





ssh user@hostname

Flex

- flex fast lexical analyzer generator
- Regular Expressions: A regular expression (shortened as regex or regexp;^[1] also referred to as rational expression^{[2][3]}) is a sequence of characters that specifies a *search pattern*.

 -Wikipedia

- https://people.cs.aau.dk/~marius/sw/flex/Flex-Regular-Expressions.html
- https://regexr.com/

Sample RegEx

- NUMBER

- [123456789]+[0-9]*
- \-?[1-9]+[0-9]*
- [\-\+][0-9]+

- FLOAT

- [0-9]+"."[0-9]*
- [+-]?([0-9]*[.])?[0-9]+

- Telephone Number

- [0-9]{11}
- 05[2-5]{2}[0-9]{7}

- Identity Number

- [0-9]{11}

```
tNUMBER [0-9]
%%
[123456789]+[0-9]* printf("Found a Number");
[123456789]+{tNUMBER}* printf("Found a Number")
%%
int main() {
  yylex();
  return(0);
```

Parse a Website

```
<h1> Hello World </h1>
<!-- a known misspelling -->
>
  Someday I'll learn how to better.
<!-- Highlight keywords in a set of instructions -->
<01>
 <1i>
   <br/>b>Slice</b> two pieces of bread off the loaf.
 <1i>>
   <br/>b>Insert</b> a tomato slice and a leaf of
   lettuce between the slices of bread.
```

Parse A Letter

Dear Giray,

I hope you are well.

My phone number is +905554443232

My Student number is 00055132

I live in Tuzla/Istanbul with post code 34956

I look forward to hearing from you.

Best Regards,

Giray

References

- Flex
 - https://web.stanford.edu/class/archive/cs/cs143/cs143.1112/materials/other/manflex.html
- VS Code Remote Development Extension
 - https://code.visualstudio.com/docs/remote/remote-overview